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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/369,960	08/06/1999	R. DAVID L. CAMPBELL	KANG113878	7472

26389 7590 03/07/2002

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EXAMINER

CORRIELUS, JEAN M

ART UNIT	PAPER NUMBER
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2172

DATE MAILED: 03/07/2002

Please find below and/or attached an Office communication concerning this application or proceeding.



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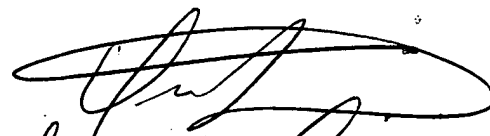
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Commissioner of Patents and Trademarks

The amendment to the drawings and the Specification does not change the scope of the claims. Therefore, the aforementioned amendment filed on February 28, 2002 has been considered as to the merits.

  
Jean M. Corrieus  
Primary Examiner  
Art Unit 2172

Art Unit: 2172:

**DETAILED ACTION**

1. This office action is in response to the amendment received on June ~~11~~, 2001 (paper no.10), in which claims 1-24, 26-29 and 33-47 are pending for further examination.

***Examiner's Amendment***

2. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Mary L. Culic Reg. No 40,574, on June 29, 2001.

3. Please amend the above identified application as set forth below.

**In The Claims:**

Please cancel claims 25 and ~~30-32~~.

In claims 26, ~~27~~, 28 and 29 line 1, after the method of, please delete "claim 25" and insert --claim 15--.

Please amend claim 15 as shown below:

<sup>23</sup>  
~~15~~. (Thrice Amended) A method for updating information stored in memory of a subscribing computer connected to a publishing computer via a common communications channel, the method comprising:

Serial Number: 09/369,960:

Page 3

Art Unit: 2172:

- (a) subscribing to published information stored in memory of the publishing computer, wherein the published information is stored in publisher modules, the publisher modules comprising publisher module blocks, and wherein the information stored in the memory of a subscribing computer is stored in subscriber modules, the subscriber modules comprising subscriber module blocks;
- (b) comparing the information stored in memory of the subscribing computer to the published information stored in memory of the publishing computer by comparing subscriber module blocks to publisher module blocks;
- (c) responsive to the published information stored in memory of the publishing computer having been changed from the information stored in memory of the subscribing computer, identifying which published module blocks have changed;
- (d) downloading from the publishing computer to the subscribing computer via the common communications channel only that published information which has changed from the information stored in the memory of the subscribing computer, wherein downloading the information comprises downloading only the changed publisher module blocks; and
- (e) updating the information stored in memory of the subscribing computer only with that published information which has changed and has been

Serial Number: 09/369,960:

Page 4

Art Unit: 2172:

C/ downloaded from the publishing computer, wherein updating the subscribing computer comprises updating only with the changed publisher module blocks.

Version with makings to show changes made June 29, 2001

In the claims

15. (Thrice Amended) A method for updating information stored in memory of a subscribing computer connected to a publishing computer via a common communications channel, the method comprising:

(a) subscribing to published information stored in memory of the publishing computer, wherein the published information is stored in publisher modules, the publisher modules comprising publisher module blocks, and wherein the information stored in the memory of a subscribing computer is stored in subscriber modules, the subscriber modules comprising subscriber module blocks;

(b) comparing the information stored in memory of the subscribing computer to the published information stored in memory of the publishing computer by comparing subscriber module blocks to publisher module blocks;

(c) responsive to the published information stored in memory of the publishing computer having been changed from the information stored in memory of the subscribing computer, identifying which published [information

Serial Number: 09/369,960:

Page 5

Art Unit: 2172:

stored in memory of the publishing computer has been] module blocks have changed;

(d) downloading from the publishing computer to the subscribing computer via the common communications channel only that published information which has changed from the information stored in the memory of the subscribing computer, wherein downloading the information comprises downloading only the changed publisher module blocks; and

(e) updating the information stored in memory of the subscribing computer only with that published information which has changed and has been downloaded from the publishing computer, wherein updating the subscribing computer comprises updating only with the changed publisher module blocks.

Art Unit: 2172:

***Allowable Subject Matter***

4. The present application has been thoroughly reviewed. Upon searching a variety of databases, the examiner respectfully submits that claims 1-24, 26-29 and 33-47 are allowable in light of the terminal disclaimer and in light of the prior art made of record.

***Reason For Allowance***

5. The following is an examiner's Statement of Reasons for Allowance:

The present application is directed to an online database updating network system an method using object-oriented programming to support selective program updating by module blocks. The closest prior art [Nakagawa et al. US Patent no. 5,835,911] shows a similar system for providing a software distribution/maintenance over a network. Nakagawa, however, either singularly or in combination, fail to anticipate or render obvious the recited feature of updating modules of information wherein the modules comprise a plurality of module blocks and only the modules blocks containing more recent information are downloaded. This feature, in conjunction with all other limitations of the independent claims render claims 1, 4, 12, 15 and 16 allowable. Therefore, all pending claims are hereby allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

2

Art Unit: 2172:

***Conclusion***

6. Any inquiry concerning this communication or early communication from the Examiner should directed to **Jean M. Corrielus** whose telephone number is (703) 306-3035. The Examiner can normally be reached on Tuesday-Friday from 7:00am to 5:30pm.

If attempts to reach the Examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu, can be reached on Monday-Friday from 9:00 a.m.-6:00 p.m. at (703)305-4393.

**Any response to this action should be mailed to:** Commissioner of Patents and Trademarks Washington, D.C. 20231 **or faxed to:** (703) 308-9051, (for formal communications intended for entry) **Or:** (703)305-9731 (for informal or draft communications, please label "PROPOSED" or "DRAFT") Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the group receptionist whose telephone number is (703) 305-9600.



Jean M. Corrielus

Patent Examiner

Technology 2100

June 29, 2001

2